

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

of work: Detailed Estimate for the Work of Improvements to Roads and Drains at
navani Layout Dasarahalli in Ward No. 6 Byatarayanapura Sub Division

Sl No	Description of item	Estimate Cost Rs.						1300000.00	
		Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	RCC Drain Main Road		1	134.00	0.90	0.75	90.45		
	For Culverts		2	6.50	1.95	1.05	26.62		
							117.07	288.36	33758.00
	Basic Rate	267.00							
	Area Weightage @ 8%	21.36							
	Total	288.36							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	Cum							
	For Culverts		2	6.50	1.95	0.15	3.80		
	RCC Drain Cross Roads		1	134.00	0.90	0.15	18.09		
							21.89	5070.60	111008.00
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	5070.60							
3	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2015-16	cum							
	For Culverts		2X2	6.50	0.60	0.45	7.02		
							7.02	4135.32	29030.00
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	4135.32							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	B 5.3-3 Providing and constructing nite / trap / basalt size stone masonry in sement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	Sqm							
	For Culverts		2X2	6.50	0.50	0.45	5.85		
							5.85	4905.36	28696.00
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	4905.36							
5	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015- 16	Sqm							
	For Culverts		2	6.50	0.60		7.80		
	For Sides		2X2	6.50	0.23		5.98		
			2X2	1.65	0.23		1.52		
	RCC Drain Cross Roads		1X4	134.00	0.60		643.20		
							658.50	270.00	177794.00
	Basic Rate	250.00							
	Area Weightage @ 8%	20.00							
	Total	270.00							
6	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	cum							
	For Culverts		2X2	6.50	0.50	0.10	1.30		
	Vent Bed		2	6.50	0.60	0.10	0.78		
							2.08	5491.80	11423.00
	Basic Rate	5085.00							
	Area Weightage @ 8%	406.80							
	Total	5491.80							
7	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2015-16	Sqm							
	For Culverts		2X2	6.50		0.50	13.00		
							13.00	99.36	1292.00

Description of item		Unit	No	L	B	D	Qty	Rate	Amount
Basic Rate		92.00							
Area Weightage @ 8%		7.36							
Total		99.36							
KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16		Cum							
For Culverts			2	6.50	1.65	0.23	4.93		
RCC Drain Cross Roads			2	134.00	0.90	0.10	24.12		
Side Walls			1X2	134.00	0.15	0.60	48.24		
							77.29	6198.12	479074.00
Basic Rate		5739.00							
Area Weightage @ 8%		459.12							
Total		6198.12							
9	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	Qtl							
0.65Ton/Cum			0.075	77.29			5.80	69805.80	404665.00
Basic Rate		64635.00							
Area Weightage @ 8%		5170.80							
Total		69805.80							
10	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inclcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				117.07		
							117.07	67.32	7881.00
Basic Rate Lead Charges Upto 2.00 Kms		5.12							
PWD SR 2010-11 (P.118/I.17.1) For loading		62.20							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Total	67.32							
						Grand Total		1284621.00
For 1% Third Party Inspection Charges								12846.00
12 Misesallaneous Charges	L/S							2533
						Total		1300000.00

Rupees Thirteen Lakh(s) Only

CERTIFICATE

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2015-16
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer

ಸಹಾಯಕ ಇಂಜಿನಿಯರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬಾಟರಯಾನಪುರ ಸಬ ಡಿವಿಷನ್

Executive Engineer

Byatarayanapura Division

Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer

Byatarayanapura Sub Division

B.B.M.P. Bangalore

Administrative Approval

Accorded For 13.00
Head of A/C P-3075
CER NO : 42 Dt: 14.12.15

TA

CE (YNK)

TECHNICAL SANCTION

Accorded For Rs. 13.00 Lakhs

Head of A/c P-3075

Div. Ref. No. 254 Date 14.12.15

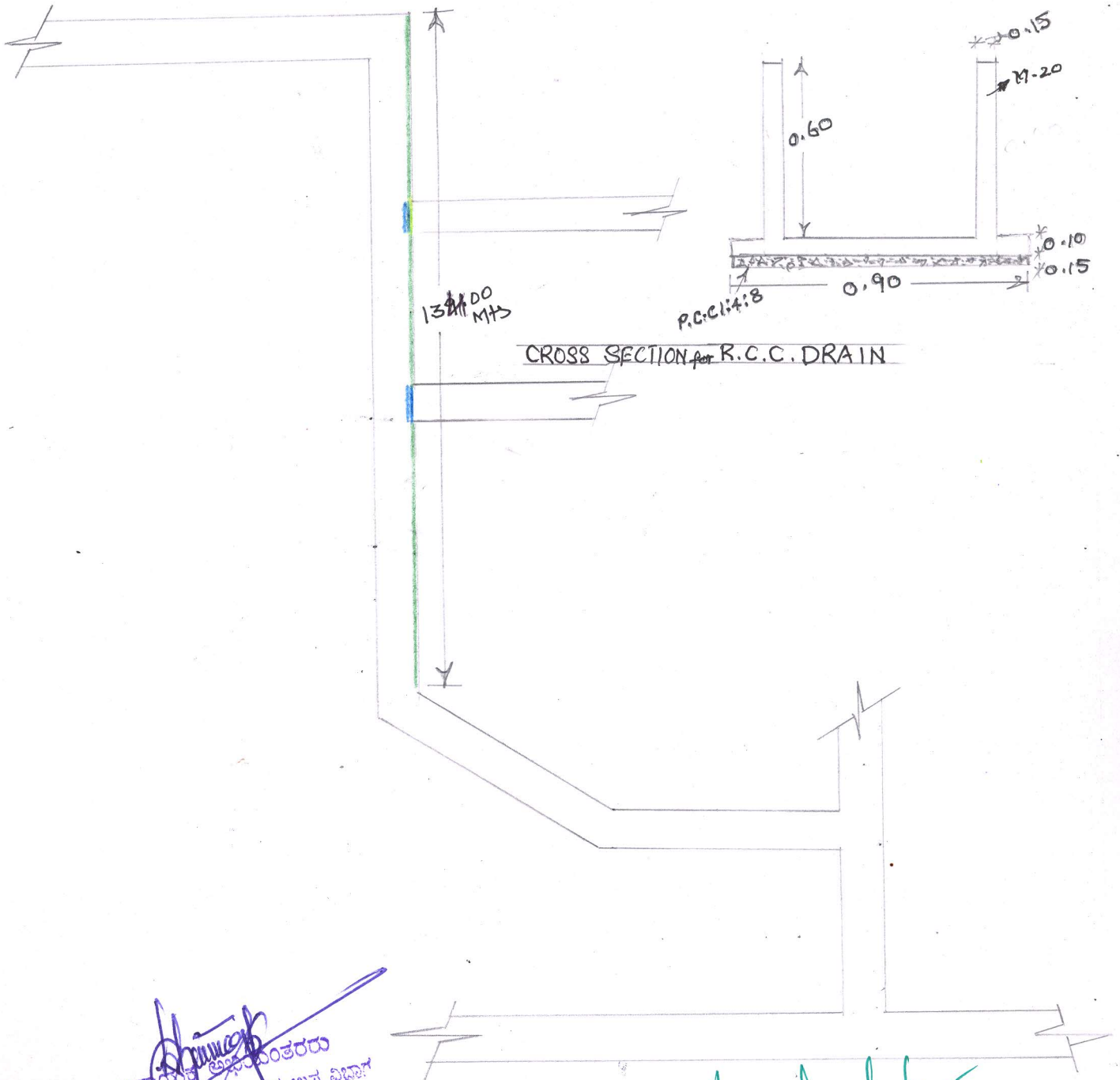
AE

EE(BTP)

me of Wrok: Improvements to Roads and Drains at Akashavani
 Layout Dasarahalli in Ward No. 6 Byatarayanapura Sub Division (8)

INDEX

- PROPOSED R.C.C. DRAIN,
- PROPOSED GULVERTS,



ಸಹಾಯಕ ಅಭಿಯಂತರರು
 ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೈಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

30.6/2015
 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
 ಬೈಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
 ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24